

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

37-087-41  
HENDERSON QUADRANGLE  
157 KY.-6 IND.  
N3745-W8730/15  
DIAGRAM NJ 16-8  
EVANSVILLE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Henderson County, Ky., Posey  
and Vanderbaugh Counties, Ind.

Final adjustment of 1971

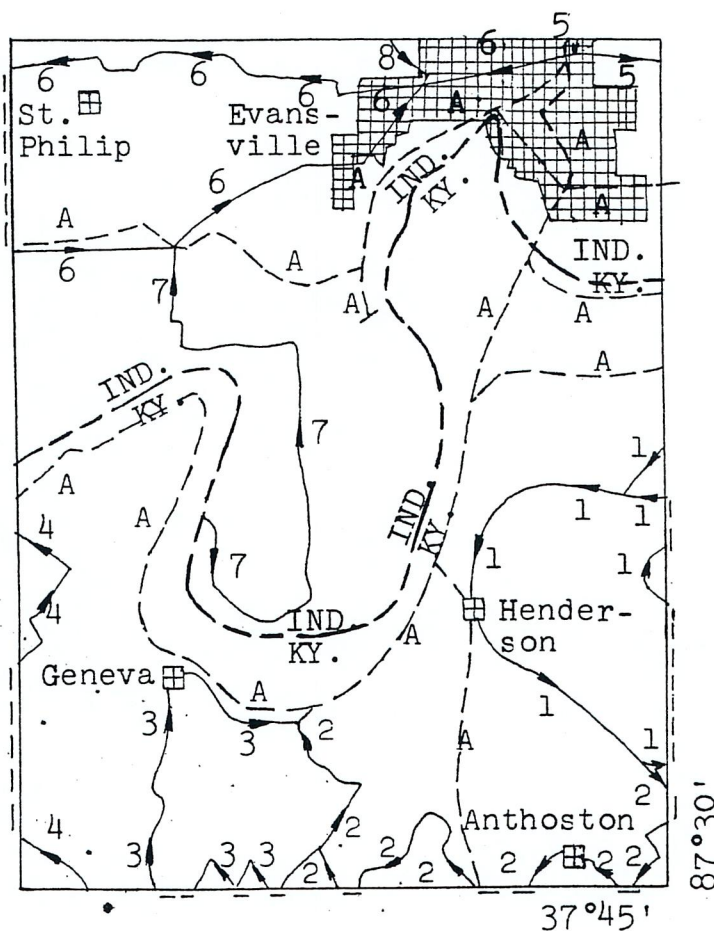
Edition of 10/22/76

PR: DSW/dt

HAUBSTADT  
(16)

UNIONTOWN  
(7 IND.-158 KY.)

NEWBURGH  
(5 IND.-156 KY.)



SEBREE  
(133)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370874

NOTE OF EXPLANATION

Duplication of stamping in index is apparently due to fieldman repeating stampings in Indiana already made in Kentucky.

## INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
356 IND	3	15 JEM 1950 480	14
369	3	15 JEM 1950 384	8
380	3,14	16 JEM 1950 382	14
382	4	16 JEM 1950 420	8,9
386 VIN	4	17 JEM 1950 363	15
387	9,10	17 JEM 1950 433	8
389	3	A 18 JEM 1950 357	16
394 VIN	3	18 JEM 1950 365	15
399 VIN	3	19 JEM 1950 417.5	9
453	3	20 JEM 1950 370	16
471	4	20 JEM 1950 472	9
405 ADJ 1903	4	21 JEM 1950 371	16
1 JEM 1950 386	11,12	21 JEM 1950 416	9
1 JEM 1950 436	4	22 JEM 1950 389	10
2 JEM 1950 406	5,6	23 JEM 1950 377	10
3 JEM 1950 433	5	26 JEM 1950 382	11
5 JEM 1950 387	12	27 JEM 1950 365	11
5 JEM 1950 383	6	8 WSM 1958 451	17
A 6 JEM 1950 380	6		
6 JEM 1950 394	12,14,17	<u>USED</u>	
6 JEM 1950 390 TT	6,7		
7 JEM 1950 400	12	BM 156	15
8 JEM 1950 500	13	BM 48-1	15
9 JEM 1950 429	13	BM 1183	5
9 JEM 1950 416 TT	6		
12 JEM 1950 460	7	<u>USC&amp;GS</u>	
13 JEM 1950 RESET 1958	13		
14 JEM 1950 469	14,16	HENDERSON NO 2 1938	5
14 JEM 1950 384	7		

HENDERSON  
Books 9557, A 9319 & A 9354

KY-IND.

37 087 41

D. D. Doty - 1901  
S. R. Archer-1914  
E.C. Bibbee -1914

Feet

ISOLATED BENCH MARKS ESTABLISHED PRIOR TO 1915  
(By D. D. Doty, 1901; Book 9557; S. R. Archer  
and E. C. Bibbee, 1914; Books A 9319 and A 9354)

West Franklin, 2.4 mi NW. of; near center of SW. 1/4 sec. 11, T. 7 S., R. 12 W.; 50 ft E. of centerline of rd. at junction of T-rd. S.; 120 ft E. of steel bridge; on S. side of rd.; at NW. corner of lawn of Jacob Morneeg; on iron post; standard cap stamped "389"	388.547
Howell, 4.2 mi SW. of, along State Highway 62; near center of SE. 1/4 sec. 6, T. 7 S., R 11 W.; at SW. corner of rd. forks; 5 ft N. of telephone pole; 4 ft S. of peach tree; on iron post; standard cap stamped "453" (Reported destroyed, 1957)	452.606
Evansville, 4.3 mi SW. of station, along Louisville and Nashville Railroad, thence 0.5 mi W.; in SE. 1/4 sec. 9, T. 7 S., R. 11 W.; at SW. corner of junction of T-rd. S.; in NE. corner of yard of tenant house of G. W. Varner; on iron post; standard cap stamped "369"	368.410
Howell, 0.8 mi W. of, along State Highway 62; near N. 1/2 sec. 34, T. 8 S., R. 11 W.; at NW. corner of crossroads; in SE. corner of yard of White School; on iron post; standard cap stamped "380"	379.716
Evansville; in floor at E. entrance to Custom House; standard tablet stamped "394 VIN" (Tied by USC&GS, 1965)	393.638
Henderson, 3.2 mi NW. of station, along L. & N. RR., thence 1.4 mi W.; in SE. 1/4 sec. 33, T. 7 S., R. 11 W.; at SW. corner of crossroads; on iron post; standard cap stamped "356 IND"	355.631
Henderson; at Planters State Bank building (possibly now Old Peoples Bank); in S. corner of window sill; standard tablet stamped "399 VIN" (Tied by USC&GS, 1935) (Reported not found, 1954)	399.917



HENDERSON  
Books 9557, A 9319 & A 9354

KY.-IND.

D. D. Doty - 1901  
S. R. Archer-1914  
E.C. Bibbee -1914

Feet

ISOLATED BENCH MARKS (Cont'd.)

Smith Mills, 0.5 mi SE. of, thence 1.6 mi NE.; on S. side of rd. at junction of T-rd. N.; 200 ft W. of residence of E. Martin; on iron post; standard cap stamped "382"	381.541
Corydon, 3.2 mi NW. of; at NE. corner of yard of Midway School; on iron post; standard cap stamped "471" (Reported destroyed, 1959)	470.856
Evansville; 52 ft N. and 36 ft E. of intersection of First and Pennsylvania Streets; 197 ft SW. of SW. corner of Willard Public Library; in concrete post; standard tablet stamped "386 VIN" (SOUTH MERIDIAN MARK) (Tied by USC&GS, 1935)	386.210
Henderson, 4.0 mi NE. of station, along L. & N. RR.; at Lee Switch; in SE. brick pillar of Race Creek Church; standard tablet stamped "405 ADJ 1903" (Reported not found, 1950)	404.153

LINE 1.

FROM NEWBURGH QUADRANGLE ALONG ROADS SOUTHWEST WEST AND SOUTHWEST TO HENDERSON THENCE SOUTHEAST INTO NEWBURGH QUADRANGLE THENCE GENERALLY NORTH AND WEST TO POINT 4.6 MILES NORTHEAST OF HENDERSON (By J. E. McClane, 1950; Book AV 172 a)

U.E., Henderson, 4.6 mi NE. of courthouse, along U.S. Highway 60, thence 1.3 mi NE.; 11 ft W. of, and level with centerline of rd.; on NW. corner of concrete bridge; chiseled square	428.29
Henderson, 4.6 mi NE. of courthouse, along U. S. Highway 60, thence 1.0 mi NE.; 16 ft S. of, and 3 ft higher than centerline of crossroads; 2 ft N. of fence corner; in concrete post; standard tablet stamped "1 JEM 1950 436" (Reported destroyed, 1959)	436.148
Reference mark; 40 ft E. of tablet; 12 ft E. of centerline of rd.; on S. end of metal culvert; painted square	435.20

HENDERSON  
Book AV 172 a

KY.-IND.

J. E. McClane

1950

LINE 1 (Cont'd.)Feet

U.E., Henderson, 4.6 mi NE. of courthouse, along U. S. Highway 60, thence 0.7 mi NE.; 12 ft E. of, and 2 ft higher than centerline of rd.; on NE. concrete headwall of culvert; chiseled square

413.45

Henderson, 4.6 mi NE. of courthouse, along U. S. Highway 60; 100 ft W. of junction of Y-rd. at W. approach to hwy. bridge over L. & N. RR.; 26 ft S. of, and 2 ft higher than centerline of Highway 60; 1 ft N. and 18 ft E. of gate-post; in concrete post; standard tablet stamped "2 JEM 1950 406"

406.023

Reference mark; 34 ft W. of tablet; on W. end of 14-in. metal culvert; painted square

404.20

Henderson, 2.3 mi NE. of courthouse, along U.S. Highway 60; 26 ft S. of, and 1 ft higher than centerline of hwy. at junction of T-rd. N.; 4 ft N. and 11 ft W. of fence corner; in concrete post; standard tablet stamped "3 JEM 1950 433" (Reported destroyed, 1959)

432.475

Reference mark; 80 ft NE. of tablet; on E. end of metal culvert; painted square

433.83

Henderson, 1.4 mi NE. of post office, along Elm Street; at NE. corner of Municipal Golf Course; on top of bank of street cut; 49 ft W. of centerline of street; 44 ft N. of extended north curb line of drive E. to drive-in theater; 71 ft NE. of power pole and transformer; 14 ft SSE. of multiple-trunked hedge tree; on iron pipe in concrete pedestal; USED standard cap designated "BM 1183" (Tied by USC&GS, 1953)

459.523

Henderson; 70 ft SW. of SW. curb of First Street between Main and Elm Streets; at S. edge of diagonal concrete walk to SE. entrance to courthouse; between courthouse and city hall; 72 ft W. of N. corner of city hall; in concrete post; USC&GS standard triangulation station disk stamped "HENDERSON NO 2 1938"

406.646



1950

FeetLINE 1 (Cont'd.)

"H 41 1934" (USC&GS)	388.648
Henderson, 2.4 mi S. of courthouse, along U. S. Highway 41, thence 0.5 mi SE.; 33 ft SW. of, and 1 ft lower than centerline of rd. at small stream crossing; 15 ft N. of center of stream; 6 ft W. of power pole; in concrete post; standard tablet stamped "A 6 JEM 1950 380" (Reported disturbed, 1961)	380.082
Reference mark; 140 ft N. of tablet; in SW. side of 36-in. tree; RR. spike	378.58
Henderson, 2.4 mi S. of courthouse, along U. S. Highway 41, thence 2.8 mi SE.; 40 ft E. of centerline of rd. at junction of T-rd. NE.; 7 ft S. of S. corner of waiting station; in concrete post; standard tablet stamped "5 JEM 1950 383"	382.687
U.E., Henderson, 2.4 mi S. of courthouse, along U. S. Highway 41, thence 4.1 mi SE.; on W. end of S. concrete headwall of culvert; chiseled square	389.77
Henderson, 2.4 mi S. of courthouse, along U. S. Highway 41, thence 4.6 mi SE.; 24 ft S. of centerline of rd. at junction of T-rd. NE.; in concrete post; standard tablet stamped "6 JEM 1950 390 TT"	390.143
<u>/Jogs into Newburgh quadrangle7</u>	
Zion, 2.4 mi NW. of, along graveled rd.; 19 ft S. and 43 ft E. of, and level with centerline of crossroads; 2 ft N. and 13 ft E. of NE. gatepost; in concrete post; standard tablet stamped "9 JEM 1950 416 TT" (Reported not found, 1978)	416.140
Reference mark; 140 ft N. of tablet; on W. end of concrete culvert; chiseled square	414.47
<u>/Jogs into Newburgh quadrangle7</u>	
"2 JEM 1950 406" (Described in this line)	406.023

1950

Feet

LINE 2.

FROM POINT 2.4 MILES SOUTH AND 4.6 MILES SOUTHEAST OF HENDERSON ALONG ROADS SOUTHWEST ACROSS SOUTHEAST CORNER OF QUADRANGLE INTO SEBREE QUADRANGLE THENCE GENERALLY WEST BY WAY OF ANTHOSTON AND NORTH TO POINT 4.2 MILES SOUTHWEST OF HENDERSON (By J. E. McClane, 1950; Book AV 172 a)

"6 JEM 1950 390 TT" (Described in line 1) 390.143

/Jogs into Newburgh quadrangle/

U.E., Anthoston, 1.4 mi SE. of, along State Highway 136, thence 1.4 mi NE.; 40 ft NW. of, and level with centerline of junction of rds.; on W. end of concrete culvert; chiseled square 424.60

/Jogs into Sebree quadrangle/

U.E., Anthoston, 0.4 mi SE. of, along State Highway 136; 18 ft SE. of, and 1 ft lower than centerline of hwy.; at W. entrance to church; on E. end of concrete headwall of culvert; chiseled square 444.83

Anthoston; opposite Crofts grocery store; 26 ft S. and 83 ft E. of, and 2 ft higher than centerline of crossroads; 16 ft E. of power pole; in concrete post; standard tablet stamped "12 JEM 1950 460" 459.685

Reference mark; 60 ft N. of tablet; on E. end of corrugated culvert; painted square 454.70

/Jogs into Sebree quadrangle/

Anthoston, 3.5 mi SW. of, thence 1.4 mi N.; 26 ft S. and 17 ft W. of, and level with centerline of rd. at junction of farm rd. W.; 9 ft N. of fence corner; in concrete post; standard tablet stamped "14 JEM 1950 384" 384.359

U.E., Anthoston, 3.5 mi SW. of, thence 2.0 mi N.; 10 ft S. of, and level with centerline of rd.; on SW. end of concrete wingwall of iron bridge; chiseled square 379.37



1950

LINE 2 (Cont'd.)Feet

Cairo, 3.1 mi NE. of, thence 2.3 mi N.; 31 ft N. and 21 ft W. of, and 2 ft higher than centerline of rd. at junction of T-rd. W.; 10 ft N. and 1 ft E. of fence corner; in concrete post; standard tablet stamped "15 JEM 1950 384" (Reported not found, 1959)

384.515

Reference mark; 40 ft S. of tablet; on S. end of concrete culvert; chiseled square

382.58

U.E., Cairo, 3.1 mi NE. of, thence 2.1 mi N.; 8 ft W. of, and 1 ft higher than centerline of rd.; on SW. corner of concrete bridge over creek; chiseled square

383.23

U.E., Cairo, 3.1 mi NE. of, thence 2.1 mi N., thence 0.6 mi SW.; 45 ft N. of, and level with centerline of crossroads; on N. wingwall of wooden bridge; chiseled square

383.97

/Jogs into Sebree quadrangle/

Henderson, 6.5 mi SW. of courthouse, along U. S. Highway 41; 48 ft NE. and 26 ft NW. of, and 2 ft higher than centerline of Highway 41 at junction of T-rd. SW.; 48 ft W. of driveway; in concrete post; standard tablet stamped "16 JEM 1950 420"

419.730

Reference mark; 40 ft NE. of tablet; on S. end of tile culvert; chiseled square

417.23

Henderson, 5.2 mi SW. of courthouse, along U. S. Highway 41; 30 ft NE. and 40 ft SE. of, and 3 ft higher than centerline of Highway 41 at entrance to Marshall Farm; in concrete post; standard tablet stamped "17 JEM 1950 433"

433.450

Reference mark; 50 ft NE. of tablet; on iron culvert; painted square

428.27

U.E., Henderson, 5.2 mi SW. of, along U. S. Highway 41, thence 0.7 mi NW.; 8 ft S. of, and level with centerline of rd.; on E. concrete wingwall of bridge; chiseled square

385.22

1950

LINE 2 (Cont'd.)Feet

Henderson, 4.2 mi SW. of, along U. S. Highway 60;  
3.5 mi E. of Geneva, along State Highway 136;  
at junction of Y-rd. (Uniontown and Corydon  
Roads); 300 ft SW. of residence of J. N. Rossel-  
baugh; on iron post; standard cap stamped "387"  
(Reported destroyed, 1959)

386.609

LINE 3.

FROM POINT 6.5 MILES SOUTHWEST OF HENDERSON ALONG ROADS  
GENERALLY SOUTHWEST INTO SEBREE QUADRANGLE THENCE NORTH  
TO GENEVA THENCE EAST TO POINT 3.5 MILES EAST OF GENEVA  
(By J. E. McClane, 1950; Book AV 172 a)

"16 JEM 1950 420" (Described in line 2)

419.730

/Jogs into Sebree quadrangle/

Corydon, 2.5 mi NE. of, along winding rd.; 38 ft N.  
of, and 3 ft higher than centerline of rd. at  
junction of T-rd. E.; 18 ft N. and 30 ft W. of  
36-in. locust tree; in concrete post; standard  
tablet stamped "19 JEM 1950 417.5" (Not found, 1976)

417.681

Reference mark; 50 ft S. of 24-in. locust tree;  
copper nail and washer

417.34

/Jogs into Sebree quadrangle/

Corydon, 2.6 mi NE. of, along U. S. Highway 60; 32  
ft S. and 60 ft W. of, and 4 ft higher than center-  
line of rd. at junction of rd. N.; 3 ft W. of  
power pole; in concrete post; standard tablet stamped  
"20 JEM 1950 472" (Reported not found, 1959)

472.057

Reference mark; 36 ft W. of tablet; in root on N.  
side of 36-in. oak tree; spike

468.42

Corydon, 2.6 mi NE. of, along U. S. Highway 60,  
thence 2.1 mi N. along graveled rd.; 1.0 mi S.  
of Geneva; 18 ft S. and 18 ft W. of, and 3 ft  
higher than centerline of rd. at junction of  
T-rd. E.; in concrete post; standard tablet  
stamped "21 JEM 1950 416"

415.677



HENDERSON  
Book AV 172 a

KY.-IND.

J. E. McClane

1950

LINE 3 (Cont'd.)Feet

Reference mark; 42 ft NE. of tablet; on N. end of  
concrete culvert; painted square 413.08

U.E., Geneva, 0.6 mi S. of; 10 ft W. of, and level  
with centerline of rd. at concrete bridge over  
creek; on NW. corner of N. wingwall; chiseled  
square 378.23

Geneva, 0.1 mi W. of post office; 0.1 mi E. of  
Methodist Church; 33 ft S. of, and level with  
centerline of State Highway 136 at junction  
of macadam rd. N. and graveled rd. S.; 22 ft E.  
of centerline of graveled rd. S.; in E. end of  
S. concrete headwall of culvert; standard  
tablet stamped "22 JEM 1950 389" (Tied by  
USC&GS, 1953) 388.277

Reference mark; 42 ft W. of tablet; on E. end of  
concrete headwall of culvert; chiseled square 387.92

U.E., Geneva; at N. entrance to Geneva Methodist  
Church; on NE. corner of first concrete step;  
chiseled cross 386.67

"387" (Described in line 2) 386.609

LINE 4.

FROM SEBREE QUADRANGLE ALONG ROADS NORTHWEST ACROSS  
SOUTHWEST CORNER OF QUADRANGLE INTO UNIONTOWN QUADRANGLE  
THENCE NORTHEAST AND NORTHWEST INTO UNIONTOWN QUADRANGLE  
(By J. E. McClane, 1950; Book AV 172 a)

Corydon, 2.2 mi NW. of schoolhouse, along graveled  
rd.; 18 ft S. and 27 ft W. of, and 2 ft higher  
than centerline of rd. at junction of T-rd. S.;  
2 ft N. and 4 ft W. of fence corner; in concrete  
post; standard tablet stamped "23 JEM 1950 377"  
(Not found, 1976) 376.738

Reference mark; 40 ft W. of tablet; in N. side of  
18-in. black oak tree; RR. spike 377.23

/Jogs into Uniontown quadrangle

HENDERSON  
Book AV 172 a

KY.-IND.

J. E. McClane

1950

LINE 4 (Cont'd.)Feet

U.E., Smith Mills, 1.0 mi NE. of, along macadam rd.,  
thence 0.6 mi NE. along abandoned rd.; in field  
about 200 ft W. of old roadbed (creek); on bank  
of small stream; in E. side of 18-in. elm tree;  
bent 8-penny nail

368.37

Smith Mills, 1.0 mi NE. of, along macadam rd.,  
thence 0.9 mi NE. along abandoned rd., thence  
0.2 mi NW.; 15 ft E. of, and about 1 ft higher  
than centerline of rd. at junction of T-rd. N.;  
15 ft N. of double hickory tree; in concrete  
post; standard tablet stamped "26 JEM 1950 382"  
(Reported destroyed, 1959)

382.022

Reference mark; 30 ft SE. of tablet; in S. side of  
30-in. sycamore tree; RR. spike

383.58

Smith Mills, 1.0 mi NE. of, along macadam rd.,  
thence 0.9 mi NE. along abandoned rd., thence  
0.2 mi NW., thence 1.7 mi NE. along dirt rd.;  
33 ft S. and 40 ft E. of, and 2 ft higher than  
centerline of rd. at junction of T-rd.; 15 ft  
S. and 15 ft E. of fence corner; in concrete  
post; standard tablet stamped "27 JEM 1950 365"  
(Reported destroyed, 1959)

364.361

Reference mark; 230 ft N. of tablet; on SW. corner  
of E. concrete headwall of bridge over Brushy  
Slough; chiseled square

362.23

LINE 5.

FROM HAUBSTADT QUADRANGLE ALONG ROADS SOUTH TO  
EVANSVILLE THENCE EAST INTO NEWBURGH QUADRANGLE  
(By J. E. McClane, 1950; Book AV 172 a)

Evansville, 1.5 mi NE. of intersection of Eighth  
and Main Streets, along Chicago and Eastern  
Illinois Railroad; 110 ft W. of intersection  
of U. S. Highway 41 and Morgan Avenue; 55 ft S.  
of gasoline station; 5 ft W. of curb; in con-  
crete post; standard tablet stamped  
"1 JEM 1950 386"

386.075

Reference mark; 325 ft N. of tablet; on concrete  
slab; chiseled square

385.25



HENDERSON  
Book AV 172 a

KY.-IND.

J. E. McClane

1950

LINE 5 (Cont'd.)Feet

U.E., Evansville, 1.5 mi NE. of intersection of Eighth and Main Streets, along C. & E. I. RR., thence 2.0 mi E.; 12 ft S. of, and 3 ft higher than centerline of State Highway 62; on concrete headwall of culvert; chiseled square 381.56

LINE 6.

FROM EVANSVILLE ALONG ROADS WEST INTO UNIONTOWN QUADRANGLE THENCE EAST AND NORTHEAST BACK TO EVANSVILLE (By J. E. McClane, 1950; Book AV 172 a)

"1 JEM 1950 386" (Described in line 5) 386.075

Evansville, 29 ft N. and 49 ft E. of, and 1 ft higher than intersection of Second and West Columbia Avenues; 3 ft S. and 9 ft E. of corner of brick wall of St. Antonius School; in concrete post; standard tablet stamped "5 JEM 1950 387" 387.061

U.E., Evansville, 24 ft N. of, and level with centerline of Maryland Street; at W. end of steel bridge over Pigeon River; on SE. corner of W. abutment inside handrail; chiseled square 381.44

Evansville; at corner of West Virginia and Mt. Vernon Streets; 22 ft E. of, and level with centerline of crossroads; in concrete base of "Marathon" gasoline sign; standard tablet stamped "6 JEM 1950 394" 393.723

Evansville, 2.1 mi W. of intersection of West Virginia and Mt. Vernon Streets, along Upper Mt. Vernon Road; 22 ft N. and 20 ft W. of, and level with centerline of rd. at entrance to Boehne Hospital; in concrete post; standard tablet stamped "7 JEM 1950 400" 400.279

U.E., Evansville, 3.6 mi W. of intersection of West Virginia and Mt. Vernon Streets, along Upper Mt. Vernon Road; 42 ft N. and 12 ft E. of, and 1 ft higher than centerline of rd. at junction of T-rd. N.; on E. concrete headwall of culvert; chiseled square 503.89

1950

LINE 6 (Cont'd.)Feet

Evansville, 4.1 mi W. of intersection of West Virginia and Mt. Vernon Streets, along Upper Mt. Vernon Road; 14 ft S. and 68 ft W. of, and level with centerline of rd. at private entrance S.; 130 ft E. of old "School No. 5"; in S. end of concrete headwall of culvert; standard tablet stamped "8 JEM 1950 500"

500.473 ←

Evansville, 6.3 mi W. of intersection of West Virginia and Mt. Vernon Streets, along Upper Mt. Vernon Road; at junction of Y-rd.; 126 ft W. of Humpert Tavern and Grovery Store; 24 ft E. of centerline of N.-S. rd.; in concrete post; standard tablet stamped "9 JEM 1950 429"

*Reset - See back page*

428.947 ←

Reference mark; 250 ft N. of tablet; on E. concrete headwall of culvert; chiseled square

425.37

U.E., Evansville, 6.8 mi W. of intersection of West Virginia and Mt. Vernon Streets, along Upper Mt. Vernon Road; 13 ft W. of, and level with centerline of rd.; at N. end of steel bridge over South Fork Big Creek; on NW. concrete wingwall of bridge; chiseled square

407.69

Joags into Uniontown quadrangle

U.E., Howell, 7.7 mi SW. of, along State Highway 62; 10 ft S. of, and 3 ft higher than centerline of rd.; on top of concrete rail of bridge over small stream; chiseled square

408.25

Howell, 6.3 mi SW. of, along State Highway 62; 450 ft WSW. of, and 3 ft higher than centerline of Highway 62 at junction of St. Philip Road; 88 ft S. of station 13+00, survey line "D" of Highway 62; in concrete post; standard tablet stamped "13 JEM 1950 RESET 1958"

440.775

U.E., Howell, 5.1 mi SW. of, along State Highway 62; 15 ft S. of, and level with centerline of hwy.; on SW. corner of concrete wingwall of bridge over small stream; chiseled square

382.51

U.E., Howell, 4.5 mi SW. of, along State Highway 62; 12 ft S. of, and 3 ft higher than centerline of hwy. at small stream; on SW. corner of S. concrete headwall of bridge; chiseled square

382.46



HENDERSON  
Book AV 172 a

KY.-IND.

J. E. McClane

1950

LINE 6 (Cont'd.)Feet

Howell, 4.0 mi SW. of, along State Highway 62; 36 ft S. and 69 ft W. of, and 3 ft lower than centerline of hwy. at junction of T-rd. S.; in concrete post; standard tablet stamped "14 JEM 1950 469"	469.786
U.E., Howell, 2.8 mi SW. of, along State Highway 62; 12 ft S. of, and 3 ft higher than centerline of hwy.; on S. concrete headwall of bridge over small stream; chiseled square	396.57
Howell, 2.2 mi SW. of, along State Highway 62; 15 ft SW. and 15 ft NW. of, and level with centerline of hwy. at junction of Frey Road N.; in W. concrete L-shaped wingwall of culvert; standard tablet stamped "15 JEM 1950 480"	481.017
U.E., Howell, 1.6 mi SW. of, along State Highway 62; 12 ft SE. of, and 3 ft higher than centerline of hwy. at drain crossing; on SW. corner of S. concrete headwall of culvert; chiseled square	387.54
U.E., Howell, 1.0 mi SW. of, along State Highway 62; 13 ft S. of, and level with centerline of hwy. at small stream crossing; on SW. corner of S. concrete headwall of bridge; chiseled square	375.60
"380" (Described in isolated bench marks)	379.716
U.E., Howell, 0.6 mi W. of, along State Highway 62; 24 ft N. and 21 ft E. of, and level with centerline of hwy. at junction of Tekoppel Road; on curb; chiseled square	375.85
Howell, 33 ft N. and 79 ft W. of, and level with intersection of South Barker and Broadway Streets; 6 ft NW. of fire plug; in concrete post; standard tablet stamped "16 JEM 1950 382"	381.732
Reference mark; 180 ft SE. of tablet; in NE. side of 20-in. hickory tree; RR. spike	385.35
"6 JEM 1950 394" (Described in this line)	393.723

HENDERSON  
Book AV 172 a

KY.-IND.

J. E. McClane

1950

FeetLINE 7.

FROM LOCK AND DAM 48 ALONG ROADS NORTH 1.3 MILES THENCE  
SOUTHEAST NORTH WEST AND NORTH TO POINT 4.0 MILES  
SOUTHWEST OF HOWELL (By J. E. McClane, 1950; Book AV 172 a)

- Henderson, 4.8 mi W. of L. & N. RR. bridge over  
Ohio River; at Lock and Dam No. 48; on E. bank  
of river; in land wall of lock; in lower end  
of upper gate recess; USED standard disk stamped  
"BM 48-1" (Destroyed, 1976) 343.450
- Henderson, 4.8 mi W. of L. & N. RR. bridge over  
Ohio River; at Lock and Dam No. 48; on E. bank  
of river; 62 ft N. of dam; 47 ft SE. of SE.  
corner of power house; 50 ft SW. of flagpole;  
14 ft NE. of centerline of rd.; in concrete  
pedestal; USED capped iron pipe and copper bolt  
stamped "BM 156" (Reported destroyed, 1976) 365.681
- Henderson, 6.1 mi W. of L. & N. RR. bridge over  
Ohio River, along river rd.; 1.3 mi N. of Lock  
and Dam No. 48 along graveled rd.; 60 ft S.  
and 20 ft E. of, and level with centerline of  
rd. at entrance to farm of Joseph Kostrzebski;  
6 ft S. of center of steps; in concrete post;  
standard tablet stamped "17 JEM 1950 363"  
(Not found, 1976) 363.955
- Reference mark; 50 ft S. of tablet; on W. side of  
50-in. sycamore tree; RR. spike 363.78
- Henderson, 2.8 mi SW. of L. & N. RR. bridge over  
Ohio River, along river rd.; 2.0 mi SE. of Lock  
and Dam No. 48; 21 ft N. and 24 ft W. of, and  
level with centerline of Henderson Road at  
junction of Hoppe Road N.; in concrete post;  
standard tablet stamped "18 JEM 1950 365"  
(Disturbed, 1976) 365.322
- Reference mark; 30 ft S. of tablet; top of 4-ft  
concrete post 368.11
- U.E., Cypress, 0.6 mi W. of, along Cypressdale  
Road, thence 3.9 mi S. along Hoppe Road; 9 ft  
E. of, and 2 ft higher than centerline of rd.;  
on E. end of concrete wingwall of culvert;  
chiseled square 357.99



HENDERSON  
Book AV 172 a

KY.-IND.

J. E. McClane

1950

FeetLINE 7 (Cont'd.)

Cypress, 0.6 mi W. of junction of Henderson and Cypressdale Roads, along Cypressdale Road, thence 3.0 mi S. along Hoppe Road to junction with King Road; 36 ft S. and 18 ft W. of intersection of Hoppe and King Roads; on S. bank of ditch along S. edge of King Road; in concrete post; standard tablet stamped "A 18 JEM 1950 357"	357.456
Reference mark; 50 ft S. of tablet; on top of N. concrete headwall of culvert; chiseled square	356.99
Cypress, 0.6 mi W. of, along Cypressdale Road; 20 ft N. and 30 ft E. of, and level with centerline of rd. at junction of Hoppe Road; 10 ft E. of rd. marker; in concrete post; standard tablet stamped "20 JEM 1950 370" (Reported not found, 1959)	370.373
Reference mark; 70 ft W. of tablet; in S. side of 20-in. walnut tree; RR. spike	370.40
U.E., Cypress, 3.0 mi W. of, along Cypressdale Road; 12 ft NE. of, and level with centerline of rd. at S. end of concrete bridge; on inside corner of E. wingwall of bridge; chiseled square	357.46
Cypress, 3.0 mi W. of, along Cypressdale Road, thence 0.6 mi N.; 21 ft NE. and 9 ft NW. of, and 2 ft higher than centerline of rd. at junction of T-rd. SW.; 2 ft N. of rd. marker; in concrete post; standard tablet stamped "21 JEM 1950 371"	371.751
Reference mark; 330 ft SE. of tablet; inside of W. steel truss of bridge; 51st rivet from N. end	360.80
U.E., Howell, 4.0 mi SW. of, along State Highway 62, thence 0.6 mi S.; 7 ft SE. of, and 3 ft higher than centerline of rd.; on NE. corner of S. concrete headwall of culvert; chiseled square	376.66
"14 JEM 1950 469" (Described in line 6)	469.786

HENDERSON  
Book AV 640 a

KY.-IND.

W. S. MONK

1958

FeetLINE 8.

FROM HAUBSTADT QUADRANGLE ALONG ROADS SOUTHEAST TO  
EVANSVILLE (By W. S. Monk, 1958; Book AV 640 a)

U.E., Evansville, 0.4 mi NW. of Mater-Dei High  
School, along New Harmony Way; 30 ft NW. of,  
and level with centerline of rd. at junction  
of Wimberg Avenue E.; on concrete curb;  
chiseled cross

483.24

Evansville, 320 ft E. of SE. corner of Mater-Dei  
High School; 8 ft W. of E. end of triangle formed  
by junction of drives to school; in concrete  
post; standard tablet stamped "8 WSM 1958 451"

451.269

Reference mark; 430 ft E. of tablet; 12 ft E. of  
centerline of New Harmony Way at junction of  
drive to school; on concrete curb; chiseled  
cross

474.69

"6 JEM 1950 394" (Described in line 6)

393.723

R E S E T

8-2-89

Henderson Quadrangle  
157 Kentucky  
6 Indiana

Evanston, 6.3 mi W. of intersection of West Virginia and Mt. Vernon Streets,  
along St. Phillips Road; at intersection of Upper Mt. Vernon Road; 209 ft  
W. of St. Phillip's Inn, 38 ft W. of centerline N-S road; in concrete post;  
standard tablet stamped "9 JEM 1950 IN"

RESET ELEVATION 426.333  
129.947 M

Reset by United Consulting Engineers, Inc. 6-30-89  
Indianapolis, IN

HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-087-41  
HENDERSON QUADRANGLE  
157 KY.-6 IND.  
N3745-W8730/15  
DIAGRAM NJ 16-8  
EVANSVILLE

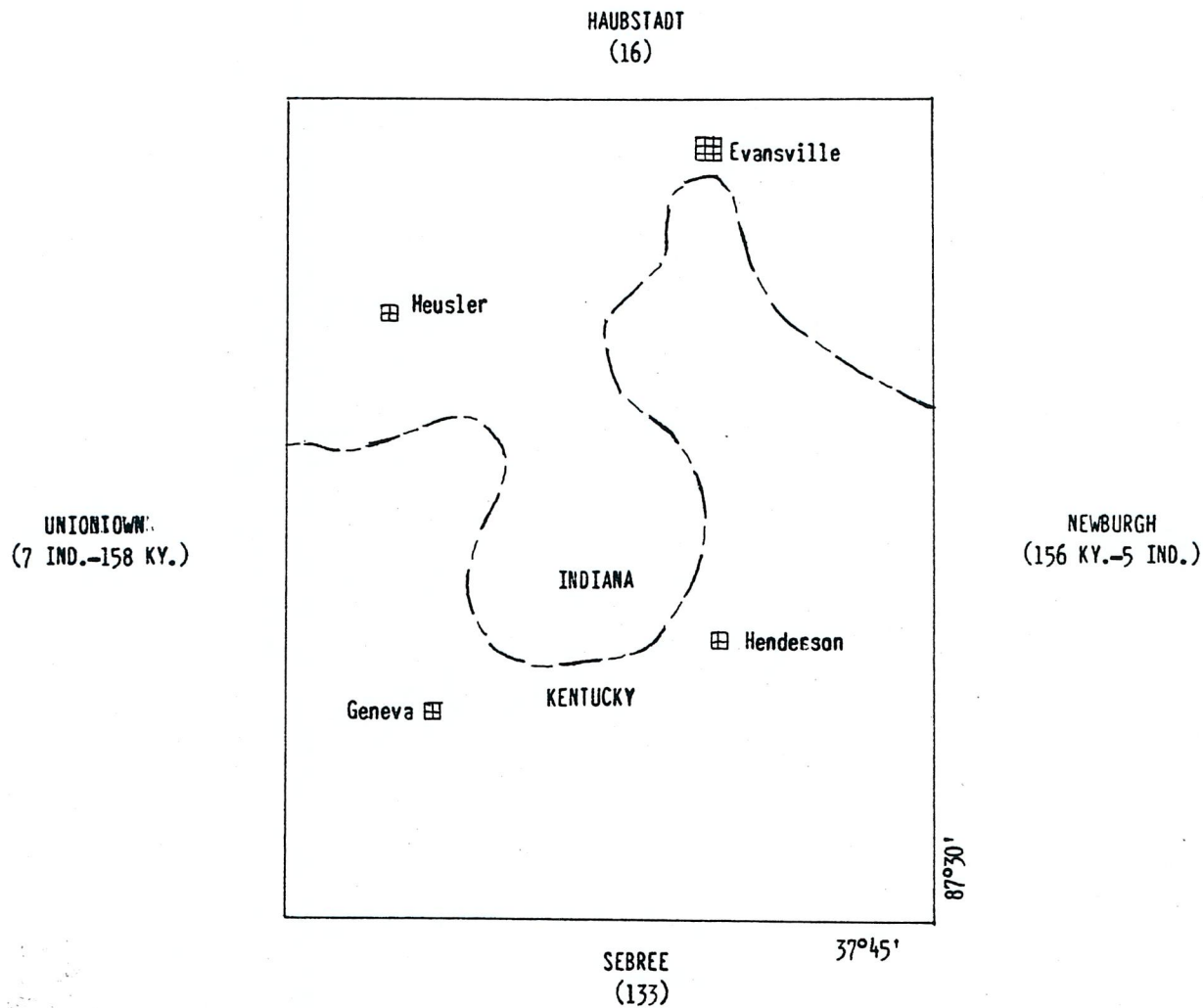
Henderson Counties, Ky.; Posey  
and Vanderburgh Counties, Ind.

Only the permanent marks are  
listed for control classified  
obsolete and are not shown on  
sketch

Edition of 2/3/77

PR: CRV/rmm

Plane coordinates are based on Lambert projection  
Kentucky, South Zone, and transverse Mercator  
projection, Indiana, West Zone





#### NOTE OF EXPLANATION

Duplication of stamping in index is apparently due to fieldman repeating stampings in Indiana already made in Kentucky.

157 KY.-6 IND.  
HENDERSON QUADRANGLE

37-087-41  
N3745-W8730/15

INDEX OF PERMANENT MARKS

<u>MARK (BSGS)</u>	<u>PAGE NO.</u>
389	3
TT 23 HO 1935	3
TT 13 G 1936	3
TT 81 HF 1950	3
TT 83 HF 1950	4
TT 84 HF 1950	4
TT 85 HF 1950	4
1 JEM 1950 436	4
6 JEM 1950 390 TT	3
8 JEM 1950 500	5
9 JEM 1950 416 TT	3
9 JEM 1950 429	5
23 JEM 1950 377	4
26 JEM 1950 382	4
27 JEM 1950 368	5
 <u>USED</u>	
Brass Cap	4

157 KY.-6 IND.  
HENDERSON QUADRANGLE

37-087-41

3

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By L. D. Hottel, 1935; Book D1628

West Franklin, 2.4 mi NW. of; near center of SW. 1/4 sec. 11, T. 7 S., R. 12 W.; 50 ft E. of centerline of rd. at junction of I-rd. S.; 120 ft E. of steel bridge; on S. side of rd.; at NW. corner of lawn of Jacob Morneeg; on iron post; standard tablet stamped "389"

Ky. S.)	X = 1,428,292	Y = 585,016	37 55 25.00	87 43 55.26
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By L. D. Hottel, 1935; Book D1627

Evansville in northeastern part of city; at SE. corner of crossroads near N. 1/4 cor. sec. 21, T. 6 S., R. 10 W.; 150 ft E. of U.S. Highway 41; 25 ft S. of State Highway 62; in concrete post; standard tablet stamped "TT 23 HO 1935" (Reported destroyed, 1957)

X = 1,484,784	Y = 608,687	37 59 30.22	87 32 15.97
---------------	-------------	-------------	-------------

By G. B. Grunwell, 1936; Book D1855

Henderson, 2.0 mi SE. of County Courthouse; 0.1 mi S. of city limits; at crossing of old Madisonville rd. and Illinois Central Railroad; near N. apex of field bounded on E. by thick row of trees; 140 ft SW. of crossing; 32 ft NW. of centerline of rd.; 29 ft SE. of near rail; 13 ft SW. of powerline pole; in SW. end of top of 3 by 4 by 15-ft mass of concrete; standard tablet stamped "TT 13 G 1936"

X = 1,469,958	Y = 544,810	37 48 56.01	87 35 05.63
---------------	-------------	-------------	-------------

By H. P. Finch, 1950; Book AH 202

Henderson, 2.4 mi S. of courthouse, along U.S. Highway 41, thence 4.6 mi SE.; 24 ft S. of centerline of rd. at junction of I-rd. NE.; in concrete post; standard tablet stamped "6 JEM 1950 390 IT"

X = 1,494,126	Y = 531,445	37 46 48.44	87 30 01.43
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Zion, 1.8 mi W. of, along State Highway 54; 26 ft N. of centerline of hwy.; about 200 ft SW. of small pond; about 300 ft SE. of white house; 4 ft S. of fence; 10 ft SW. of telephone pole No. 4549; in concrete post; standard tablet stamped "TT 81 HF 1950"

X = 1,488,856	Y = 545,677	37 49 08.15	87 31 10.37
---------------	-------------	-------------	-------------

Zion, 2.4 mi NW. of, along graveled rd.; 19 ft S. and 43 ft E. of, and level with centerline of crossroads; 2 ft N. and 13 ft E. of NE. gatepost; in concrete post; standard tablet stamped "9 JEM 1950 416 IT" (Reported not found, 1978)

X = 1,492,191	Y = 552,036	37 50 11.62	87 30 30.28
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157 KY.-6 IND.  
HENDERSON QUADRANGLE

37-087-41

4

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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OBsolete MARKS (Cont'd.)

Henderson, 4.6 mi NE. of courthouse, along U.S. Highway 60, thence 1.0 mi NE.; 16 ft S. of, and 3 ft higher than centerline of crossroads; 2 ft N. of fence corner; in concrete post; standard tablet stamped "1 JEM 1950 436" (Reported destroyed, 1959)

Ky. S.)	X = 1,492,112	Y = 564,648	37 52 16.27	87 30 34.22
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Green River, about 1.3 mi below mouth of; on property of Mr. Nugent; on N. side of river in center of rd. paralleling river; in concrete post flush with ground; brass cap (the stamping obliterated, but mark is believed to be USED BM)

	X = 1,488,985	Y = 577,891	37 54 26.59	87 31 16.30
--	---------------	-------------	-------------	-------------

Evansville, about 2.0 mi S. of; 1.0 mi N. of steel bridge on U.S. Highway 41 over Ohio River to crossroads, thence 1.3 mi E. along macadam and graveled rd. to T-rd. S., thence 0.6 mi S. to Ohio River; 23 ft S. and 27 ft E. of rd. fork on river bank; about 80 ft N. of edge of river bank; about 75 ft NE. of double-deck fisherman's cabin; in concrete post; standard tablet stamped "TT 83 HF 1950"

	X = 1,486,482	Y = 577,893	37 54 26.15	87 31 47.52
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Evansville; in SE. edge of city; on Weinbauch Road; 950 ft N. of levee; 0.4 mi S. of intersection of Weinbauch Road and old Green River Road; 24 ft N. and 24 ft E. of private rd. E.; 24 ft E. of Weinbauch Road; in concrete post; standard tablet stamped "TT 84 HF 1950"

	X = 1,486,717	Y = 589,344	37 56 19.38	87 31 47.28
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Evansville; in easternmost part of crossing of South Boeke Road and Lincoln Avenue; 23 ft N. and 21 ft W. of centerline of intersection; in concrete post; standard tablet stamped "TT 85 HF 1950" (Reported destroyed, 1959)

	X = 1,489,688	Y = 600,633	37 58 11.51	87 31 12.84
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By T. W. Cayce, 1951; Book AH 226

Corydon, 2.2 mi NW. of schoolhouse, along graveled rd.; 18 ft S. and 27 ft W. of, and 2 ft higher than junction of T-rd. S.; 2 ft N. and 4 ft W. of fence corner; in concrete post; standard tablet stamped "23 JEM 1950 377" (Not found, 1976)

	X = 1,424,632	Y = 523,426	37 45 15.57	87 44 24.73
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Smith Mills, 1.0 mi NE. of, along macadam, thence 0.9 mi NE. along abandoned rd., thence 0.2 mi NW.; 15 ft S. and about 1 ft higher than junction of T-rd. N.; 15 ft N. of double hickory tree; in concrete post; standard tablet stamped "26 JEM 1950 382" (Reported destroyed, 1959)

	X = 1,423,066	Y = 548,763	37 49 25.69	87 44 50.90
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157 KY.-6 IND.  
HENDERSON QUADRANGLE

37-087-41

5

STATION      DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

OBSOLETE MARKS (Cont'd.)

Smith Mills, 1.0 mi NE. of, along macadam rd., thence 0.9 mi NE. along abandoned rd., thence 0.2 mi NW., thence 1.7 mi NE. along dirt rd.; 33 ft S. and 40 ft E. of, and 2 ft higher than centerline of rd. at junction of T-rd.; 15 ft S. and 15 ft E. of fence corner; in concrete post; standard tablet stamped "27 JEM 1950 365"  
(Reported destroyed, 1959)

Ky. S.)      X = 1,428,262      Y = 555,468

37 50 33.04

87 43 47.91

By T. W. Cayce, 1957; Book AH 472

Evansville, 6.2 mi W. of intersection of West Virginia and Mount Vernon Avenues, along Upper Mount Vernon Road; at junction of Y-rd.; 126 ft W. of Humpert Tavern and Grocery Store; 24 ft E. of N.-S. rd.; in concrete post; standard tablet stamped "9 JEM 1950 429"

X = 1,433,938

Y = 610,116

37 59 34.35

87 42 51.32

Evansville, 4.1 mi W. of intersection of West Virginia and Mount Vernon Avenues, along Upper Mount Vernon Road; 14 ft S. and 68 ft W. of, and level with centerline of rd. at private entrance S.; 130 ft E. of old School No. 5; in top of S. end of concrete headwall of culvert; standard tablet stamped "8 JEM 1950 500"

X = 1,444,908

Y = 611,631

37 59 51.56

87 40 34.71

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.



EBF  
1-6-87Project: Kentucky 1986  
Horizontal Acc'y Project #2  
CS 618(a) Sandul, Hale, PerryThird-Order PP Ties

STATION	DESCRIPTION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y	° ' "	° ' "
2000&	Center T-rd. N. FLT 1 1602	Photo 226-17 1,419,550.25 585,314.27		37 55 26.22	<u>Qd 158 KY</u> 87 45 44.41
2100A	Center T-rd. SE. FLT 1 1602	Photo 226-17 1,438,620.08 578,754.19		37 54 25.33	<u>Qd 157 KY</u> 87 41 44.78
2200A	Center X-rds. FLT 4 1602	Photo 2-123 1,569,600.43 574,871.19		37 54 10.51	<u>Qd 155 KY</u> 87 14 29.99
2200B	Center rd. @ Fence S. FLT 4 1602	Photo 2-123 1,569,855.49 574,778.95		37 54 09.63	<u>Qd 155 KY</u> 87 14 26.79
2300A&	Center rd. @ Drive W. E-Overedge 1602	Photo 2-117 1,576,849.39 560,216.52		37 51 46.77	<u>Qd 155 KY</u> 87 12 56.72
2400A	Center rd. @ Drive NE. FLT 4 1602	Photo 2-123 1,560,841.91 558,043.32		37 51 22.78	<u>Qd 156 KY</u> 87 16 15.86
2400B	Center T-rd. SW. FLT 4 1602	Photo 2-123 1,559,415.33 559,170.82		37 51 33.70	<u>Qd 156 KY</u> 87 16 33.88
2500A	T-Trail S. FLT 4 1602	Photo 2-125 1,565,385.10 501,035.30		37 41 59.96	<u>Qd 132 KY</u> 87 15 07.92
2500B	T-Trail E. FLT 4 1602	Photo 2-125 1,565,405.73 500,897.50		37 41 58.60	<u>KY Qd 132</u> 87 15 07.64
2600A&	Rd. @ Drive NE. FLT 3 1602	Photo 304-11 1,495,317.72 419,933.55		37 28 26.33	<u>Qd 104 KY</u> 87 29 21.02
2600B&	Center T-rd. W. FLT 3 1602	Photo 304-11 1,495,964.44 419,762.16		37 28 24.76	<u>Qd 104 KY</u> 87 29 12.96

<u>Third-Order PP Ties</u>		PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y	° ' "	° ' "
STA.					
2700A&	Center rd. @ Drive S.				<u>Qd 133 KY</u>
	FLT 3		Photo 304-7		
	1602	1,487,871.86	498,668.62	37 41 23.29	87 31 11.66
2700B&	Center X-rds.				<u>Qd 133 KY</u>
	FLT 3		Photo 304-7		
	1602	1,487,271.46	498,609.15	37 41 22.59	87 31 19.12
2800B&	Hwy. @ Drive NW.				<u>Qd 105 KY</u>
	FLT 1		Photo 226-23		
	1602	1,428,792.81	429,132.00	37 29 44.36	87 43 08.47
2800C&	Center Grass Triangle				<u>Qd 133 KY</u>
	FLT 1		Photo 226-23		
	1602	1,431,121.42	431,360.31	37 30 06.86	87 42 40.15
2900A&	Center Hwy. @ Drive NW.				<u>Qd 157 KY</u>
	FLT 1		Photo 226-19		
	1602	1,438,299.66	529,660.96	37 46 20.02	87 41 36.18
3000A&	Center Hwy. @ Fence W.				<u>Qd 133 KY</u>
	FLT 1		Photo 226-21		
	1602	1,437,259.68	452,890.91	37 33 40.95	87 41 29.48
2-KY2&	Center Hwy. @ Drive S.				<u>Qd 157 KY</u>
	FLT 2		Photo 304-33		
	1602	1,491,331.26	561,024.88	37 51 40.32	87 30 43.10
3-KY2&	Center rd. @ Drain				<u>Qd 132 KY</u>
	FLT 4		Photo 2-129		
	1602	1,564,364.46	428,226.12	37 30 00.02	87 15 06.22
4-KY2&	Center rd. @ Drive SW.				<u>Qd 157 KY</u>
	FLT 1		Photo 226-19		
	1602	1,427,145.07	521,859.46	37 45 00.61	87 43 53.04